

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/018225

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60K41/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 507 072 A (ROBERT BOSCH GMBH) 7 October 1992 (1992-10-07) cited in the application column 3, lines 54,66 column 5, line 42 – column 8, line 16 column 12, line 50 – column 14, line 45 column 16, lines 40-46	1-24
Y	DE 102 42 230 A1 (DAIMLERCHRYSLER AG) 30 October 2003 (2003-10-30) paragraphs '0005!, '0006!, '0013! – '0023!, '0029! – '0034!	1,9-11, 13,21-23
Y	WO 02/26520 A (SIEMENS AKTIENGESELLSCHAFT; PROBST, GREGOR; GUTKNECHT-STOEHR, FLORIAN;) 4 April 2002 (2002-04-04) page 2, line 12 – page 7, line 2	1,13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

11 February 2005

Date of mailing of the International search report

01/07/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Plenk, R

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/018225

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/104889 A1 (REDMOND JOHN D) 5 June 2003 (2003-06-05) paragraphs '0023! - '0045! -----	1,2, 12-14,24
Y	US 6 173 226 B1 (YOSHIDA YOSHIYUKI ET AL) 9 January 2001 (2001-01-09) column 1, lines 13-40 column 5, line 17 - column 9, line 8 -----	3,4,15, 16
Y	US 6 128 564 A (GRAF ET AL) 3 October 2000 (2000-10-03) column 1, lines 59-65 column 3, line 24 - column 6, line 43 -----	5-8, 17-20

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/018225

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0507072	A	07-10-1992	DE BR DE EP JP US	4111023 A1 9201195 A 59208827 D1 0507072 A2 5085228 A 5351776 A	08-10-1992 01-12-1992 02-10-1997 07-10-1992 06-04-1993 04-10-1994
DE 10242230	A1	30-10-2003	NONE		
WO 0226520	A	04-04-2002	WO EP JP US	0226520 A1 1320472 A1 2004509801 T 2004035618 A1	04-04-2002 25-06-2003 02-04-2004 26-02-2004
US 2003104889	A1	05-06-2003	AU CA EP WO	2002364505 A1 2467704 A1 1448913 A2 03048603 A2	17-06-2003 12-06-2003 25-08-2004 12-06-2003
US 6173226	B1	09-01-2001	JP JP JP DE	7332479 A 3379225 B2 8034266 A 19520579 A1	22-12-1995 24-02-2003 06-02-1996 14-12-1995
US 6128564	A	03-10-2000	DE FR GB JP JP	19727044 A1 2765160 A1 2326682 A ,B 3375123 B2 11070825 A	04-02-1999 31-12-1998 30-12-1998 10-02-2003 16-03-1999